

# SEQUENCE LISTING

<110> BOUGUELERET; Lydie  
CUSIN; Isabelle

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED  
WITH CARDIOVASCULAR DISORDERS

<130> DV/4-33628A/GEP US-P

<140> 10/561,292

<141> 2005-12-20

<150> 60/484,153

<151> 2003-06-30

<150> PCT/EP2004/007047

<151> 2004-06-29

<160> 8

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 456

<212> PRT

<213> Homo sapiens

<220>

<221> PROPEP

<222> (1)...(456)

<223> Precursor protein of CP22

<400> 1

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Gln Ser Ser Arg Thr Pro Gly Val Trp Lys Ala Glu Ala Glu Asp Thr
          35           40           45
Gly Lys Asp Pro Val Gly Arg Asn Trp Cys Pro Tyr Pro Met Ser Lys
          50           55           60
Leu Val Thr Leu Leu Ala Leu Cys Lys Thr Glu Lys Phe Leu Ile His
65           70           75           80
Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Lys Val Lys
          85           90           95
Val Met Tyr Arg Met Ala His Lys Pro Val Tyr Gln Val Lys Gln Lys
          100          105          110
Val Leu Thr Ser Leu Ala Trp Arg Cys Cys Pro Gly Tyr Thr Gly Pro
          115          120          125
Asn Cys Glu His His Asp Ser Met Ala Ile Pro Glu Pro Ala Asp Pro
          130          135          140
Gly Asp Ser His Gln Glu Pro Gln Asp Gly Pro Val Ser Phe Lys Pro
145          150          155          160
Gly His Leu Ala Ala Val Ile Asn Glu Val Glu Val Gln Gln Glu Gln

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Cys	Lys	Thr	Glu	Lys	Phe	Leu	Ile	His	Ser	Gln	Gln	Pro	Cys	Pro	Gln	
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Gly	Ala	Pro	Asp	Cys	Gln	Lys	Val	Lys	Val	Met	Tyr	Arg	Met	Ala	His	
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Lys	Pro	Val	Tyr	Gln	Val	Lys	Gln	Lys	Val	Leu	Thr	Ser	Leu	Ala	Trp	
				85					90					95		
Arg	Cys	Cys	Pro	Gly	Tyr	Thr	Gly	Pro	Asn	Cys	Glu	His	His	Asp	Ser	
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Met	Ala	Ile	Pro	Glu	Pro	Ala	Asp	Pro	Gly	Asp	Ser	His	Gln	Glu	Pro	
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Gln	Asp	Gly	Pro	Val	Ser	Phe	Lys	Pro	Gly	His	Leu	Ala	Ala	Val	Ile	
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Asn	Glu	Val	Glu	Val	Gln	Gln	Glu	Gln	Gln	Glu	His	Leu	Leu	Gly	Asp	
145					150					155					160	
Leu	Gln	Asn	Asp	Val	His	Arg	Val	Ala	Asp	Ser	Leu	Pro	Gly	Leu	Trp	
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Lys	Ala	Leu	Pro	Gly	Asn	Leu	Thr	Ala	Ala	Ser	Leu	Ser	Asn	Asp	Val	
			180					185					190			
Lys	Asn	Val	Gly	Arg	Cys	Cys	Glu	Ala	Glu	Ala	Gly	Ala	Gly	Ala	Ala	
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Ser	Leu	Asn	Ala	Ser	Leu	His	Gly	Leu	His	Asn	Ala	Leu	Phe	Ala	Thr	
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Gln	Arg	Ser	Leu	Glu	Gln	His	Gln	Arg	Leu	Phe	His	Ser	Leu	Phe	Gly	
225					230					235					240	
Asn	Phe	Gln	Gly	Leu	Met	Glu	Ala	Asn	Val	Ser	Leu	Asp	Leu	Gly	Lys	
			245						250					255		
Leu	Gln	Thr	Met	Leu	Ser	Arg	Lys	Gly	Lys	Lys	Gln	Gln	Lys	Asp	Leu	
		260						265					270			
Glu	Ala	Pro	Arg	Lys	Arg	Asp	Lys	Lys	Glu	Ala	Glu	Pro	Leu	Val	Asp	
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Glu	Ala	Gly	Ser	Pro	Val	Ala	Phe	Tyr	Ala	Ser	Phe	Ser	Glu	Gly	Thr	
305					310					315					320	
Ala	Ala	Leu	Gln	Thr	Val	Lys	Phe	Asn	Thr	Thr	Tyr	Ile	Asn	Ile	Gly	
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Ser	Ser	Tyr	Phe	Pro	Glu	His	Gly	Tyr	Phe	Arg	Ala	Pro	Glu	Arg	Gly	
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Val	Tyr	Leu	Phe	Ala	Val	Ser	Val	Glu	Phe	Gly	Pro	Gly	Pro	Gly	Thr	
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Gln	Lys	Gly	Glu	Arg	Val	Trp	Phe	Glu	Leu	Thr	Gln	Gly	Ser	Ile	Thr	
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Thr

<210> 3  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> PEPTIDE  
 <222> (1)...(152)  
 <223> Cardiovascular disorder Plasma Polypeptide 22 (CPP  
 22)

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 Ala Ser Phe Ser Glu Gly Thr Ala Ala Leu Gln Thr Val Lys Phe Asn  
 35 40 45  
 Thr Thr Tyr Ile Asn Ile Gly Ser Ser Tyr Phe Pro Glu His Gly Tyr  
 50 55 60  
 Phe Arg Ala Pro Glu Arg Gly Val Tyr Leu Phe Ala Val Ser Val Glu  
 65 70 75 80  
 Phe Gly Pro Gly Pro Gly Thr Gly Gln Leu Val Phe Gly Gly His His  
 85 90 95  
 Arg Thr Pro Val Cys Thr Thr Gly Gln Gly Ser Gly Ser Thr Ala Thr  
 100 105 110  
 Val Phe Ala Met Ala Glu Leu Gln Lys Gly Glu Arg Val Trp Phe Glu  
 115 120 125  
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 Gly Gly Phe Leu Met Phe Lys Thr  
 145 150

<210> 4  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> PEPTIDE  
 <222> (1)...(24)  
 <223> Tryptic peptides of CPP 22 found by MS-MS mass  
 spectrometry in plasma samples of individuals with  
 coronary artery disease

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 Phe Ala Met Ala Glu Leu Gln Lys  
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<210> 5  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> PEPTIDE  
 <222> (1)...(12)  
 <223> Tryptic peptides of CPP 22 found by MS-MS mass

spectrometry in plasma samples of individuals with  
coronary artery disease

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Val Trp Phe Glu Leu Thr Gln Gly Ser Ile Thr Lys  
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<210> 6

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> PEPTIDE

<222> (1)...(14)

<223> Tryptic peptides of CPP 22 found by MS-MS mass  
spectrometry in plasma samples of individuals with  
coronary artery disease

<400> 6

Ser Leu Ser Gly Thr Ala Phe Gly Gly Phe Leu Met Phe Lys  
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<210> 7

<211> 1371

<212> DNA

<213> Homo sapiens

<220>

<221> variation

<222> (1)...(1371)

<223> Splice variant of the Endoglyx-1 gene and  
comprises the cDNA coding sequence for SEQ ID NO:  
1

<400> 7

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tggaaggcag	aggctgagga	caccggcaag	gaccccgtag	gacgtaactg	gtgcccctac	180
ccaatgtcca	agctgggtcac	cttactagct	ctttgcaaaa	cagagaaatt	cctcatccac	240
tcgcagcagc	cgtgtccgca	gggagctcca	gactgccaga	aagtcaaagt	catgtaccgc	300
atggcccaca	agccagtgtg	ccagggtcaag	cagaagggtgc	tgacctcttt	ggcctggagg	360
tgctgccctg	gctacacggg	ccccaactgc	gagcaccacg	attccatggc	aatccctgag	420
cctgcagatc	ctggtgacag	ccaccaggaa	cctcaggatg	gaccagtcag	cttcaaacct	480
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gccctgcctg	gtaacctcac	agctgcaagc	ctgagcaacg	acgtcaagaa	tgctggggcgg	660
tgctgcgagg	ccgaggccgg	ggccggggcc	gcctccctca	acgcctccct	tcacggcctc	720
cacaacgcac	tcttcgccac	tcagcgcagc	ttggagcagc	accagcggct	cttccacagc	780
ctctttggga	acttccaagg	gctcatggaa	gccaacgtca	gcctggacct	ggggaagctg	840
cagaccatgc	tgagcaggaa	agggagaaga	cagcagaaag	acctggaagc	tccccggaag	900
agggacaaga	aggaagcggg	gcctttggtg	gacatacggg	tcacagggcc	tgtgccaggt	960
gccttgggcg	cggcgctctg	ggaggcagga	tcccctgtgg	ccttctatgc	cagcttttca	1020
gaagggacgg	ctgccctgca	gacagtgaag	ttcaacacca	catacatcaa	cattggcagc	1080
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gctgagctgc agaagggtga gcgagtatgg tttgagttaa cccagggatc aataacaaag 1320
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<210> 8  
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 <212> PRT  
 <213> Mus musculus

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 <223> Q8K1Z7, a murine homologue of SEQ ID NO:1

<400> 8

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Asn	Arg	Pro	Gly	Met	Pro	Glu	Gly	Trp	Arg	Leu	Gly	Ala	Glu	Asp	Thr	35	40	45	
Ser	Arg	Asp	Pro	Ile	Arg	Arg	Asn	Trp	Cys	Pro	Tyr	Gln	Lys	Ser	Arg	50	55	60	
Leu	Val	Thr	Phe	Val	Ala	Ala	Cys	Lys	Thr	Glu	Lys	Phe	Leu	Val	His	65	70	75	80
Ser	Gln	Gln	Pro	Cys	Pro	Gln	Gly	Ala	Pro	Asp	Cys	Gln	Gly	Val	Arg	85	90	95	
Val	Met	Tyr	Arg	Val	Ala	Gln	Lys	Pro	Val	Tyr	Gln	Val	Gln	Gln	Lys	100	105	110	
Val	Leu	Ile	Ser	Val	Asp	Trp	Arg	Cys	Cys	Pro	Gly	Phe	Gln	Gly	Pro	115	120	125	
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Gly	His	Pro	Val	Pro	Glu	Phe	Asn	Glu	Ile	Lys	Val	Pro	Gln	Glu	Gln	165	170	175	
Gln	Glu	Ile	Arg	Arg	Leu	Ser	Ser	Asp	Val	Lys	Gln	Ile	Gly	Gln	Cys	180	185	190	
Cys	Glu	Ala	Ser	Trp	Ala	Ala	Ser	Leu	Asn	Ser	Ser	Leu	Glu	Asp	Leu	195	200	205	
His	Ser	Met	Leu	Leu	Asp	Thr	Gln	His	Gly	Leu	Arg	Gln	His	Arg	Gln	210	215	220	
Leu	Phe	His	Asn	Leu	Phe	Gln	Asn	Phe	Gln	Gly	Leu	Val	Ala	Ser	Asn	225	230	235	240
Ile	Ser	Leu	Asp	Leu	Gly	Lys	Leu	Gln	Ala	Met	Leu	Ser	Lys	Lys	Asp	245	250	255	
Lys	Lys	Gln	Pro	Arg	Gly	Pro	Gly	Glu	Ser	Arg	Lys	Arg	Asp	Lys	Lys	260	265	270	
Gln	Val	Val	Met	Ser	Thr	Asp	Ala	His	Ala	Lys	Gly	Leu	Glu	Leu	Trp	275	280	285	
Glu	Thr	Gly	Ser	Pro	Val	Ala	Phe	Tyr	Ala	Gly	Ser	Ser	Glu	Gly	Ala	290	295	300	
Thr	Ala	Leu	Gln	Met	Val	Lys	Phe	Asn	Thr	Thr	Ser	Ile	Asn	Val	Gly	305	310	315	320
Ser	Ser	Tyr	Phe	Pro	Glu	His	Gly	Tyr	Phe	Arg	Ala	Pro	Lys	Arg	Gly				

[illegible]